

1.01 SS-IQ-38 LED Wash Fixture

General

The fixture shall be a color LED wash fixture. The fixture shall be the SS-IQ-38 from Altman Lighting Inc., or approved equal.

Physical

The fixture shall be of extruded and spun aluminum and steel construction.

The fixture shall employ the use of 1 LED emitter array.

Alternative filters shall be available to shape the beam of the fixture.

Fixture shall be rated ETL or equally acceptable rating.

Fixture shall be available to be mounted with Track, Portable, Canopy, Stem or Unitstrut options.

Electrical

Fixture shall employ a 50W long-life LED emitter.

Fixture shall be power by a universal 100V-240V power supply.

Fixture shall be able to be mounted to Altman Smart Track systems for dimming capabilities.

Control

The fixture shall have the ability to fade and strobe.

A local control keypad with LED display shall be provided for configuration and control of:

DMX-512A Device Address

Fixture Personality

Stand Alone Operation

It shall be possible to lock out the control keypad at the fixture to prevent accidental change in fixture configuration during operation. Locking and unlocking the control keypad shall be via predefined key sequence.

Each fixture shall be compatible with the USITT DMX512-A control protocol and ANSI E1.20-2006 Remote Device Management over DMX512-A (RDM) standard.

DMX and RDM Control shall be connected via integral flush mount 5-Pin XLR input and output connectors.

Fixture shall include integral flush mount 5-pin XLR output connector for DMX pass through or "Daisy Chain". Fixtures not including an output receptacle for DMX pass through shall not be acceptable.

The DMX-512A device address for each fixture shall be user selectable.

It shall be possible to set the DMX-512A device address for the fixture while the fixture is installed and connected to the system via the RDM (ANSI E1.20-2006 protocol) and an appropriate device such as a PC or a handheld programmer.

Fixtures which do not allow for setting of the DMX address via both local controls at the fixture and remotely while installed via RDM shall not be accepted.

System shall provide full range (0-100%) dimming without exhibiting flicker or stepping. Dimming curves shall be optimized for smooth dimming at low intensities and over longer timed fades.

The fixture shall have an available "Master" function to provide control of intensity without changing to color of the output of the fixture. The Master shall operate in either 8-bit or 16-bit resolution as defined by the configuration of the fixture.

The fixture shall have user selected personalities to correctly match response to the application and control system utilized. Personalities shall provide the following options which may be combined as desired:

8 or 16 bit operation

With Master or without Master

With smoothing or without smoothing

The fixture shall be capable of standalone operation, activated and configured at the control keypad. Standalone modes shall include the following:

Color Chase with selectable colors and speed

Fixed Color defined with local controls

Strobe with user selectable color and speed

Slave